

Appendix
Smoking-Cessation Assistance: Before and After Stage 1 Meaningful Use Implementation
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Appendix Table 1. Unadjusted ORs of Smoking Assessment and Cessation Assistance Among Non-pregnant Patients by Study Year

Outcome	2010 N (%)	2012 N (%)	2012 vs 2010 (ref) OR (95% CI)	2014 N (%)	2014 vs 2010 (ref) OR (95% CI)	2014 vs 2012 (ref) OR (95% CI)
All non-pregnant patients	55,398	60,610		66,712		
Smoking status assessed	52,019 (93.90%)	58,282 (96.16%)	1.63 (1.54, 1.72)**	64,981 (97.41%)	2.44 (2.30, 2.59)**	1.50 (1.41, 1.60)**
Current smoker	16,802 (30.33%)	17,631 (29.09%)	0.94 (0.92, 0.97)**	18,111 (27.15%)	0.86 (0.84, 0.88)**	0.91 (0.89, 0.93)**
Among non-pregnant smokers	16,802	17,631		18,110		
Counseling given	4,998 (29.75%)	9,500 (53.88%)	3.55 (3.38, 3.72)**	12,585 (69.49%)	7.64 (7.27, 8.02)**	2.15 (2.06, 2.25)**
Smoking cessation medication ordered	2,032 (12.09%)	2,338 (13.26%)	1.11 (1.04, 1.18)*	2,839 (15.68%)	1.35 (1.27, 1.44)**	1.22 (1.15, 1.29)**
Smoking cessation medication ordered and/or discussed	4,638 (27.60%)	6,987 (39.63%)	1.72 (1.65, 1.80)**	8,747 (48.30%)	2.45 (2.34, 2.56)**	1.42 (1.36, 1.48)**

Note: All outcomes used discrete fields and natural language processing from the electronic health record except for Current smoker and Smoking cessation medication ordered (only discrete fields in the electronic health record). Boldface indicates statistical significance (* $p < 0.01$; ** $p < 0.0001$).

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Appendix Table 2. Unadjusted ORs of Smoking Assessment and Cessation Assistance Among Pregnant Patients by Year

Outcome	2010 N (%)	2012 N (%)	2012 vs 2010 (ref) OR (95% CI)	2014 N (%)	2014 vs 2010 (ref) OR (95% CI)	2014 vs 2012 (ref) OR (95% CI)
All pregnant patients	2,713	2,698		2,561		
Smoking status assessed	2,553 (94.10%)	2,613 (96.85%)	1.90 (1.45, 2.49)**	2,520 (98.40%)	4.01 (2.82, 5.69)**	2.18 (1.49, 3.19)**
Current smoker	305 (11.24%)	292 (10.82%)	0.94 (0.79, 1.11)	314 (12.26%)	1.06 (0.89, 1.26)	1.14 (0.95, 1.35)
Among pregnant smokers	305	292		314		
Counseling given	49 (16.07%)	124 (42.47%)	5.15 (3.27, 8.09)**	174 (55.41%)	10.36 (6.63, 16.21)**	2.15 (1.52, 3.04)**
Smoking cessation medication ordered	28 (9.18%)	25 (8.56%)	0.94 (0.53, 1.67)	30 (9.55%)	0.95 (0.55, 1.65)	1.02 (0.58, 1.80)
Smoking cessation medication ordered and/or discussed	53 (17.38%)	82 (28.08%)	1.92 (1.28, 2.87)*	90 (28.66%)	1.94 (1.3, 2.90)*	1.03 (0.7, 1.50)

Note: All outcomes used discrete fields and natural language processing from the electronic health record except for Current smoker and Smoking cessation medication ordered (only discrete fields from the electronic health record). Boldface indicates statistical significance (* $p < 0.01$; ** $p < 0.0001$).